2006 Compliance Monitoring Field Forms

The following forms are being used to evaluate Riparian Management and Road Activity rules in Eastern Washington. Questions were developed from the Washington State Forest Practice rules WAC 222-30, Timber Harvest, and WAC 222-24, Road Construction and Maintenance sections. The packet includes A Pre-Survey Information Form, five Riparian Management Activity Forms, seven Road Activity Forms, and a Final Post Survey Evaluation Form. These forms may be modified or updated for the 2007 Compliance Monitoring field season.

Eastside Form #1
Pre-Survey

FPA #: **Class**	**Date:**	Location-Legal	Activities Complete: Y / N / U	**Ownership:** Public / SFLO / Industrial
DNR Survey Lead:	**DOE Survey Rep:**	**WDFW Survey Rep:**	**Other Attendees:** **Representing:**	**Other Attendees:** **Representing:**
Other Attendees: **Representing**	**Other Attendees:** **Representing**			

Information to be collected: (to be determined pre-survey, check all that apply, attach and complete relevant form)

Use separate forms if needed for multiple activities

RMZ

_____ S or F: Ponderosa Pine – Form #2
_____ S or F: Mixed Conifer – Form #3
_____ S or F: High Elevation – Form #4
_____ N RMZ – Form #5
_____ Wetlands Form #6

Road Activities:

_____ Road Construction – Form #7
_____ Road Maintenance – Form #8
_____ Road Abandonment – Form #9
_____ Landings – Form #10
_____Permanent Crossing on N Waters Form #11
_____Temporary Crossings on N Waters Form 12
_____Fords on Type N waters Form #13

Post survey evaluation Form – Form #14 XX (always needed)

Information to Be Completed Pre-Survey: (As reported on FPA)

Type S or F RMZ (For 2006, Segments will be the first segment listed on the FPA (example 1 or A)

Ponderosa Pine or Mixed Conifer

Stream Segment Identifier or Location ____
Harvest in Inner Zone: Y / N Zone Requirements: _____Inner Zone Width _____Outer Zone Width

Site Class on FPA: I / II / III / IV / V Site Class on FPARS: I / II / III / IV / V

Site Index (Mixed Conifer Only): <90 / 90-110 / >110 Site Class/Index Correct: Y / N

Stream Width: >15 ft / ≤15 ft CMZ Present: Y / N LWD Placement Strategy: Y / N

Total Leave Trees Required: ____ Inner Zone ____ Outer Zone

Outer Zone Placement Strategy: Dispersed / Clumped Sensitive Area / Clumped

Type S or F RMZ (High Elevation Habitat Type)

Stream Segment Identifier or Location_____
Harvest in Inner Zone: Y / N Zone Requirements: _____Inner Zone Width _____Outer Zone Width
Site Class on FPA/N: I / II / III / IV / V Site Class on FPARS: I / II / III / IV / V
Stream Width: >15 ft / ≤15 ft Stream Length: _____ ft

Core Zone basal area: _____ ft²/acre Total Leave Trees Required: ____ Inner Zone____ Outer Zone

What is the basal area needed for this harvest dependent on Site Class?_____

Option 1 Max dbh for thin: _____inch dbh
Outer Zone basal area Credit for: CMZ / LWD / Floor Zone (Option 2 Only)
Outer Zone Placement Strategy: Dispersed / Clumped Sensitive Area / Clumped

Type Np RMZ

Stream Segment Identifier or Location
Harvest within 30' of bfw: Yes / No

Length of entire reach in unit: _____ ft

Designation: Partial Cut / Clear-cut Length of Clear-cut: _____ ft

Sensitive Features: 50' ____ Headwall Seep ____ Side-slope Seep
56' ____ 2 or More Np ____ Pip _____Headwall Spring _____

Type Ns RMZ

Stream Segment Identifier or Location _____

Road Activities
(Maps from FPA should be brought on Survey to Guide Analysis)
Total Length of Road Construction on FPA: _____ ft
Total Length of Road Maintenance on FPA: _____ ft
Total Length of Road Abandonment on FPA_____ ft
Water Crossings: Bridge / Culvert / Temp Bridge / Temp Culvert / Ford

Proximity of Road Work to Typed Water: In or Over / Potential to Deliver / No Potential to Deliver

Number of Landings: _____

Pre-Survey Comments or Communications:

_____

_____

_____

Eastside Form # 2
S or F RMZ: Inner Zone Harvest
Ponderosa Pine Timber Habitat Type
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Is the application within the Bull Trout Overlay? Y / N / NA / NC

If YES to #1, answer questions 2 and 3, and 18 to 22

2. Was there harvest within the 75-foot buffer? Y / N / NA / NC

3. Was there a documented approved strategy for harvesting on this FPA? Y / N / NA / NC

If NOT within the BTO, continue with the following questions:

4. Was the stream size reported on FPA consistent with the field observation? Y / N / NA / NC

5. If no, did the discrepancy influence the inner zone width (should the stream be 15 ft bfw or $\leq$15 ft bfw?) Y / N / NA / NC

6. Was there any harvest within the 30-foot Core Zone? Y / N / NA / NC

7. Is the remaining basal area within the 45 or 70-foot buffer correct? Y / N / NA / NC

Stands with high basal area

8. Did the harvest leave at least 50 trees per acre and a minimum leave tree basal area of 60 square feet per acre? Y / N / NA / NC

9. Were the 21 largest trees per acre left? Y / N / NA / NC

10. And along with #9, was there an additional 29 trees per acre that are 10 inch dbh? Y / N / NA / NC

11. If there are more than 29 trees per acre dbh or greater per acre, were the leave trees left in 29 the following priority order: trees for shade, trees that lean towards the water, trees of preferred species, trees evenly distributed across the inner zone? Y / N / NA / NC

12. Were additional trees of 6 inches dbh left if more than 50 trees per acre were needed to reach the 60 square feet per acre? Y / N / NA / NC

13. Were 100 trees of the largest remaining trees left regardless of basal area if the minimum basal area could not be met with fewer than 100 trees of at least 6 inches dbh? Y / N / NA / NC

Turn over and complete Side 2 ⟶

Stands with low basal area and high density

14. Did thinning leave a minimum of 100 trees per acre? Y / N / NA / NC

15. Were the trees that were left the 50 largest trees per acre? Y / N / NA / NC

16. If yes to 15, were an additional 50 trees per acre greater than 6-inch dbh left? Y / N / NA / NC

17. If there were not 50 trees 6 inch dbh per greater per acre, were all trees 6 inch dbh left plus the largest remaining trees to equal 50 trees per acre left?. Y / N / NA / NC

18. If there is a stream adjacent parallel road and bfw is greater than 15 feet, and if the edge of the road closest to the stream is 75 feet or more from the outer edge of bfw or CMZ, was harvest restricted in the inner zone? Y / N / NA / NC

19. If the edge of the road closest to the stream is less than 75 feet from bfw or CMZ was the harvest restricted in the inner zone? Y / N / NA / NC

Outer zone harvest

20. Did the landowner receive Outer Zone leave credits for a LWD placement strategy? Y / N / NA / NC

21. If yes to #20, did the landowner leave the appropriate number of dominant or co-dominant trees per acre in the Outer Zone? (Ponderosa Pine = 5, Mixed Conifer = 8, High Elevation = 10) Y / N / NA / NC

22. If there was no LWD placement strategy, did the landowner leave the appropriate number of dominant or co-dominant trees per acre in the Outer Zone? (Ponderosa Pine = 10, Mixed Conifer = 15, High Elevation = 20) Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@wadnr.gov (jpgs are okay as long as descriptions are attached.)

Comments:

_____
_____
_____
_____
_____
_____
_____
_____

Signature:_____**Date**_____

Eastside Form # 3
S or F RMZ: Inner Zone Harvest
Mixed Conifer Timber Habitat Type
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Is the application within the Bull Trout Overlay? Y / N / NA / NC

If YES to #1, answer questions 2 and 3, and 21 to 25

2. Was there harvest within the 75-foot buffer? Y / N / NA / NC

3 Was there a documented approved strategy for harvesting on this FPA? Y / N / NA / NC

If NOT within the BTO, continue with the following questions.

4. Was the stream size reported on FPA consistent with the field observation? Y / N / NA / NC

5 If no, did the discrepancy influence the inner zone width (should the stream be >15 ft bfw or ≤15 ft bfw?) Y / N / NA / NC

6. Was there any harvest in the 30-foot Core Zone? Y / N / NA / NC

7. Is the remaining basal area within the 45 or 70 foot buffer correct? Y / N / NA / NC

Stands with high basal area

8. Did the harvest leave at least 50 trees per acre? Y / N / NA / NC

9. If yes to #8, was 70 square feet per acre basal area left on low index sites (S.I. < 90)? Y / N / NA / NC

10. If yes to #8, was greater than 90 square feet per acre basal area left on medium site indexes (S.I. 90-110)? Y / N / NA / NC

11. If yes to #8, was greater than 110 square feet per acre basal area left on high site indexes (S.I. > than 110)? Y / N / NA / NC

12. Were the 21 largest trees left? Y / N / NA / NC

13. And were there an additional 29 trees per acre that are 10-inch dbh left? Y / N / NA / NC

14. If there are more than 29 trees per acre dbh or greater per acre, were the 29 leave trees left in the following priority order: trees for shade, trees that lean towards the water, trees of preferred species, trees evenly distributed across the inner zone? Y / N / NA / NC

15. Were additional trees of 6 inches dbh left if more than 50 trees per acre were needed to reach the 60 square feet per acre requirement? Y / N / NA / NC

Turn over and complete Side 2 ⟶

Eastside Form #3 (cont'd)

16. Were 100 trees of the largest remaining trees left regardless of basal area if the minimum basal area could not be met with fewer than 100 trees of at least 6-inch dbh. Y / N / NA / NC

Stands with low basal area and high density

17. Did thinning leave a minimum of 120 trees per acre? Y / N / NA / NC

18. Were the trees that were left the 50 largest trees per acre? Y / N / NA / NC

19. If yes to 18, were an additional 70 trees per acre greater than 6-inch dbh left? Y / N / NA / NC

20. If there were not 70 trees 6 inch dbh per greater per acre, were all trees 6-inch dbh left plus the largest remaining trees to equal 70 trees per acre. Y / N / NA / NC

21. If there is a stream adjacent parallel road and bfw is greater than 15 feet and the edge of the road closest to the stream is 75 feet or more from the outer edge of bfw or CMZ,was harvest restricted in the inner zone? Y / N / NA / NC

22. If the edge of the road closest to the stream is less than 75 feet from bfw or CMZ was the harvest restricted in the inner zone? Y / N / NA / NC

Outer zone harvest

23. Did the landowner receive Outer Zone leave credits for a LWD placement strategy? Y / N / NA / NC

24. If yes to #23, did the landowner leave the appropriate number of dominant or co-dominant trees per acre in the Outer Zone?
(Ponderosa Pine = 5, Mixed Conifer = 8, High Elevation = 10) Y / N / NA / NC

25. If there was no LWD placement strategy, did the landowner leave the appropriate number of dominant or co-dominant trees per acre in the Outer Zone?
(Ponderosa Pine = 10, Mixed Conifer = 15, High Elevation = 20) Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@wadnr.gov (jpgs are okay as long as descriptions are attached.)

Comments:

_____
_____
_____
_____
_____
_____

Signature:_____**Date**_____

Eastside Form # 4
Inner Zone Harvest High Elevation Habitat Type
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Is the application within the Bull Trout Overlay? Y / N / NA / NC

If YES to #1, answer questions 2 and 3, and 8 to 12

2. Was there harvest within the 75-foot buffer? Y / N / NA / NC

3. Was there a documented approved strategy for harvesting on this FPA? Y / N / NA / NC

If NOT within the BTO, continue with the following questions:

4. Was the stream length reported on the FPA consistent with measured value in the field? Y / N / NA / NC

5. If no, did the discrepancy influence the inner zone width (should the stream be 15 ft bfw or ≤15 ft bfw?) Y / N / NA / NC

6. Was there any harvest in the Core Zone? Y / N / NA / NC

7. Did the harvest leave the basal area required for the Site Class? Refer to Stand Requirements in WAC 222-22-021-(1)(b) Y / N / NA / NC

8. If there is a stream adjacent parallel road and bfw is greater than 15 feet and the edge of the road closest to the stream is 75 feet or more from the outer edge of bfw or CMZ, was harvest restricted in the inner zone? Y / N / NA / NC

9. If the edge of the road closest to the stream is less than 75 feet from bfw or CMZ, was the harvest restricted in the inner zone? Y / N / NA / NC

Outer zone harvest

10. Did the landowner receive Outer Zone leave credits for a LWD placement strategy? Y / N / NA / NC

11 If yes to #5, did the landowner leave the appropriate number of dominant or co-dominant trees per acre in the Outer Zone? (Ponderosa Pine = 5, Mixed Conifer = 8, High Elevation = 10) Y / N / NA / NC

12. If there was no LWD placement strategy, did the landowner leave the appropriate number of dominant or co-dominant trees per acre in the Outer Zone? (Ponderosa Pine = 10, Mixed Conifer = 15, High Elevation = 20) Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@wadnr.gov (jpgs are okay as long as descriptions are attached.)

Use back of page for comments. ⟶

Eastside Form #5
Ns or Np RMZ
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

Ns Water RMZ

1. Is there evidence of equipment entry into the 30 ft Equipment Limitation Zone? Y / N / NA / NC

2. Was less than 10% of the soil exposed due to activities? Y / N / NA / NC

3. If >10% of soil was exposed, were mitigation conditions placed and followed? Y / N / NA / NC

4. Is the stream consistent with type reported FPA? Y / N / NA / NC

Np Water RMZ

If partial cut, answer the following questions:

5. What is the acreage of the RMZ? (RMZ length X 50/43650) _____ acres

6. Were the largest 10 trees per acre retained? (inclusive of those that contributed to BA) Y / N / NA /NC

7. Were 50 trees per acre retained? Y / N / NA /NC

8. Were all of the trees per acre ≥ 10" dbh? Y / N / NA /NC

9. If no to #8, were any trees removed larger than stems retained? Y / N / NA /NC

If clear-cut, answer the following questions:

10. Was an equal distance no-cut buffer designated and retained by the landowner? Y / N / NA /NC

11. Was clear-cut RMZ less than 300 ft in length? Y / N / NA /NC

12. Was ≥ 70% of this reach in the unit retained as a no-cut or partial cut RMZ? Y / N / NA /NC

13. Was clear-cut RMZ greater than 500 ft from all type F or S water? Y / N / NA /NC

14. Was Clear-cut RMZ greater than 50 ft from all headwall seeps, side slope seeps, headwater springs, alluvial fans and/or intersections of 2 or more Np waters? Y / N / NA /NC

Turn over and complete Side 2 ⟶

Stream adjacent parallel roads Np streams.

15. For roads within 30 to 49 feet of the stream, was there a total of 100 feet (both sides)or 50 feet on one side left as a buffer? Y / N / NA /NC

16. Was the location of the RMZ in the area between the stream and the stream side edge of the road? Y / N / NA /NC

17. For roads within 30 feet of bfw of the stream, were all trees left in the buffer in addition to those required to be left in #15? Y / N / NA /NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@wadnr.gov (jpgs are okay as long as descriptions are attached.)

Comments:

Signature_____**Date**_____

Eastside Form #6
A or B WMZ and Forested Wetlands
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Were the wetlands typed and sized appropriately on the ground? Y / N / NA / NC
   If no, explain in comment section of this form.

2. Is the variable buffer width appropriate relative to the WMZ table in WAC 222-30-020 (7)(a)? Y / N / NA / NC

3. Where operations were conducted within the WMZ, were the resulting openings less than 100 feet wide (as measured parallel to wetland edge)? Y / N / NA / NC

4. Where operations were conducted within the WMZ, were the resulting openings no closer than 200 feet from each other (as measured parallel to wetland edge)? Y / N / NA / NC

5. If no to questions 2-4, then calculate the following percentage: _____%

$$\frac{A-B \times 100}{A}$$

A= perimeter measurement of wetland in question
B= measurement of length along the wetland that does not meet the requirement of the Rule

Is the resulting percentage greater than 10%? Y / N / NA / NC

6. Within the WMZ, are there a total of 75 trees per acre > 6" dbh? Y / N / NA / NC

7. Of the 75 trees per acre in the WMZ, are at least 25 of these ≥12" dbh, where they exist? Y / N / NA / NC

8. Of the 25 trees per acre in the WMZ that are ≥12" dbh, are at least 5 of these greater than 20" dbh+ where they exist? Y / N / NA / NC

9. Are the leave trees in the WMZ representative of species found in the pre-harvest condition of the WMZ area (evaluate stumps)? Y / N / NA / NC

10. Were any ground based harvesting systems used within the minimum WMZ without written approval of the Department? Y / N / NA / NC

11. For harvest units of 30 acres or less of clear cut or 80 acres or less of partial cut AND 10% of the unit is within a WMZ, was there more than 50% of the tree requirements mentioned in questions 3-5 left in the WMZ? Y / N / NA / NC

Turn over and complete Side 2 ⟶

Eastside Form #6 (cont'd)

12. If any timber was felled into or cable yarded across Type A or B Wetlands, was there written approval of the Department? Y / N / NA / NC

13. If harvest occurred within forested wetlands, then was the harvest method limited to low impact harvest or cable systems? Y / N / NA / NC

14. If a forested wetland exists within the boundaries of a harvest unit and the area of the wetland is greater than 3 acres, were the approximate boundaries determined by the applicant? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@wadnr.gov (jpgs are okay as long as descriptions are attached.)

Comments:

Signature_____ **Date**_____

Eastern and Western Washington
Form # 7 Road Construction
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

***= Pertains to water quality protection. If no water then this should be checked as NA**

1. Was water typed correctly on all waters using either physical criteria or a water type change form? Y / N / NA /NC

2. Was all diverted water returned to the basin from which it came? Y / N / NA /NC

3. Were drainage structures installed at locations of seeps and springs to route water under the road prism to the forest floor to return hydrologic connectivity? Y / N / NA /NC

*4. Does new road construction minimize stream crossings? Y / N / NA /NC

5. Do roads run across typed water at a right angle? Y / N / NA /NC

6.When stream crossings were required, were alterations to natural features minimized? Y / N / NA /NC

7. Were all bogs or low nutrient fens completely avoided? Y / N / NA /NC

8. Was there any road construction in a WMZ? Y / N / NA /NC

9. If #8 is yes, was the road prism and road length minimized in the WMZ? Y / N / NA /NC

10. If > .5 acre of a wetland were filled or drained due to activities, was the required replacement by substitution or enhancement completed? Y / N / NA /NC

*11. Was sediment delivery minimized? Y / N / NA /NC

*12.Were erodible soils disturbed during construction stabilized to prevent the potential to deliver to typed waters? Y / N / NA /NC

*13. Were roads outsloped, insloped, crowned, ditched or bermed to prevent sediment delivery? Y / N / NA /NC

*14. Were cross drains, sediment traps, ditchouts, water bars, or other Best Management Practices utilized to prevent sediment delivery? Y / N / NA /NC

*15. Were all relief structures ≥ 18 inches in diameter in Western Washington or ≥ 15 inches in Eastern Washington ? Y / N / NA /NC

*16. Where ditch out and relief culverts have been employed, were diversion structures placed close enough to the stream to divert most sediment to the forest floor? Y / N / NA /NC

*17. When water was routed to erodible soils, were relief culverts appropriately armored and/or vegetated to minimize scour? Y / N / NA **/NC**

*18 Where the potential for sediment delivery existed, was full bench construction utilized for roads built on slopes greater than 60%? Y / N / NA /NC

*19. If road construction produced end haul materials, were they placed in stable areas to prohibit the entry of material into the 100-year flood plain? Y / N / NA /NC

*20. Were rock armor headwalls and rock armored ditchblocks installed for drainage structure culverts located on erodible soils where the road has a gradient greater than 6%? Y / N / NA /NC

*21. Do relief structures efficiently capture and pass ditch-line flow? Y / N / NA /NC

Temporary Roads

22. Was the road designed and permitted to be temporary? Y / N / NA /NC

23. Was the road constructed in a manner to facilitate closure and abandonment when the intended use is completed? Y / N / NA /NC

24. Did the road design and culverts provide the same level of protection for public resources as required by the rules during the length of its use? Y / N / NA /NC

25. Was the road abandonment date identified on the FPA? Y / N / NA /NC

26. If yes, was the road abandoned by that date? Y / N / NA /NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@wadnr.gov (jpgs are okay as long as descriptions are attached.)

Complete Road Abandonment Form #8 for any roads that were temporary and abandoned.

Comments:

_____

_____

_____

_____

_____

Signature:_____ **Date**_____

Eastern and Western Washington
Form # 8 Road Maintenance
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus
***= Pertains to water quality protection. If no water then this should be checked as NA**

1. If the department had conditioned that additional and/or larger water structures be installed, was this completed? Y / N / NC / NA

2. Is the road surface maintained to direct groundwater that is captured by the road surface onto stable portions of the forest floor? Y / N / NC / NA

3. During general maintenance of stream adjacent parallel roads, was all down wood blocking vehicle passage placed on the side of the road closest to water? Y / N / NC / NA

*4. Are drainage structures functional? Y / N / NC / NA

*5. Is groundwater captured in the ditchline diverted onto stable portions of the forest floor by using ditchouts, culverts or drivable dips? Y / N / NC / NA

*6. Is road grade maintained to minimize erosion of the surface and subgrade? Y / N / NC / NA

*7. During and on completion of log, pulp, rock, and chip haul, or specialized forest products, and road building, has the road surface been crowned, outsloped or water barred? Y / N / NC / NA

*8. Were berms removed except those designed for fill protection? Y / N / NC / NA

*9 Is the road surface maintained to minimize direct sediment entry to typed water? Y / N / NC / NA

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@wadnr.gov (jpgs are okay as long as descriptions are attached.)

Comments:

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Signature_____**Date**_____

Eastern and Western Washington
Form #9 Road Abandonment
FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)
***= Pertains to water quality protection. If no water then this should be checked as NA**

*1.Were roads out-sloped, water barred, or otherwise left in a condition suitable to control erosion and maintain water movement within wetlands and natural drainages? Y / N / NA / NC

*2.Were ditches left in a suitable condition to reduce erosion? Y / N / NA / NC

3. Was the road blocked so that four-wheel highway vehicles cannot pass the point of closure at the time of abandonment? Y / N / NA / NC

*4. Were water crossing structures and fills on all typed waters removed, except where the department has determined other measures would provide adequate protection to public resources? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@wadnr.gov (jpgs are okay as long as FPA # and descriptions are attached.)

Comments:

Signature_____**Date**_____

Eastern and Western Washington
Form #10 Landings

FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)
***= Pertains to water quality protection. If no water then this should be checked as NA**

*1.Was the sidecast or fill used for the landing no larger than reasonably necessary for safe operations? Y / N / NA / NC

2. Were truck roads, skid trails, and fire trails outsloped or cross drained uphill from landings and the water diverted to the forest floor away from the toe of the landing? Y / N / NA / NC

*3. Were appropriate efforts made to direct drainage away from the landing to minimize water accumulation on the landing? Y / N / NA / NC

*4. Was the landing sloped to keep water from collecting on the operational surface? Y / N / NA / NC

*5. Where there was a high potential for excavated materials to enter a WMZ, the bankfull width of any stream, or the 100-year floodplain, did the landowner endhaul the materials? Y / N / NA / NC

*6. Was the location of the landing outside of natural drainage channels, CMZs, RMZs, (both F and N), Type A or B wetlands, and WMZs? Y / N / NA / NC

7. Are there any spoils located within the boundaries of Type A or B wetlands, or within the boundaries of a forested wetland without written approval of the department? Y / N / NA / NC

*8. Are there any piles of debris that are perched and pose a risk of delivering to typed typed waters? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.Lingley@wadnr.gov (jpgs are okay as long as FPA # and descriptions are attached.)

Comments:

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Signature_____**Date**_____

Eastern and Western Washington
Form #11 Permanent Crossings on Type N Water

FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)
***= Pertains to water quality protection. If no water then this should be checked as NA**

1. Were alterations to the stream bed, bank or bank vegetation limited to that necessary for construction of the project? Y / N / NA / NC

*2. Does the culvert, its embankments and fills have erosion protection to withstand a 100-year flood? Y / N / NA / NC

3. Is the alignment and slope of the culvert on grade with the natural flow of the streambed? Y / N / NA / NC

4. Are all permanent culverts at least 24-inches for Type Np waters? Y / N / NA / NC

5. Are all permanent culverts at least 18 inches in Western Washington and 15 inches in Eastern Washington for Type Ns waters? Y / N / NA / NC

6. Was slash or debris that reasonably may be expected to plug the culvert cleared for a distance of 50 feet above the culvert? Y / N / NA / NC

*7. Was sediment delivery minimized? Y / N / NA /NC

8. Did the entrance to all culverts have adequate catch basins and headwalls to minimize the possibility of erosion or fill failure? Y / N / NA /NC

*9.Were erodible soils disturbed during construction stabilized to prevent the potential to deliver to typed waters? Y / N / NA /NC

10. Were culverts sized properly for the bankfull width, with consideration for debris? Y / N / NA / NC

*11. Did the culvert installation prevent scouring of the stream bed and erosion of the banks in the vicinity of the project? Y / N / NA /NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@wadnr.gov (jpgs are okay as long as FPA # and descriptions are attached.)

Comments:

_____

_____

_____

_____

Signature_____**Date**_____

Eastern and Western Washington
Form #12 Temporary Crossings on Type N Water

FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)
***= Pertains to water quality protection. If no water then this should be checked as NA**

*1. Were alterations to the stream bed, bank or bank vegetation limited to that necessary for construction of the project?	Y / N / NA / NC
*2. Does the culvert, its embankments and fills have erosion protection to withstand a 100-year flood?	Y / N / NA / NC
3. Is the alignment and slope of the culvert on grade with the natural flow of the streambed?	Y / N / NA / NC
4. Are all culverts at least 24 inches for Type Np waters?	Y / N / NA / NC
*5. Are all culverts at least 18 inches in Washington or 15 inches in Eastern Washington for Type Ns waters?	Y / N / NA / NC
*6. Was slash or debris that reasonably may be expected to plug the culvert cleared for a distance of 50 feet above the culvert.	Y / N / NA / NC
***7**. Was sediment delivery minimized?	Y / N / NA /NC
8. Do the entrances to all culverts have adequate catch basins and headwalls to minimize the possibility of erosion or fill failure?	Y / N / NA / NC
*9.Were erodible soils disturbed during construction stabilized to prevent the potential to deliver to typed waters?	Y / N / NA /NC
*10. Did the culvert installation prevent scouring of the stream bed and erosion of the banks in the vicinity of the project?	Y / N / NA /NC
11. Are the temporary water crossings identified on the FPA?	Y / N / NA / NC
12. Was the crossing used and installed after June 1 and removed by September 30 of the same year, unless conditioned otherwise?	Y / N / NA / NC
*13. Was the crossing designed to pass the highest peak flow event expected to occur during the length of time of its use?	Y / N / NA / NC
14. Is there a written plan for the abandonment and restoration of wetland crossings?	Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@wadnr.gov (jpgs are okay as long as FPA # and descriptions are attached.)
Comments: on back of page

Eastern and Western Washington
Form #13 Fords

FPA #_____ Date: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)
***= Pertains to water quality protection. If no water then this should be checked as NA**

1. Were alterations to the stream bed, bank or bank vegetation limited to that necessary for construction of the project? Y / N / NA / NC

2. Does the ford, its embankments and fills have erosion protection to withstand a 100-year flood? Y / N / NA / NC

3. Is the alignment and slope of the ford on grade with the natural flow of the streambed? Y / N / NA / NC

*4. Was sediment delivery minimized? Y / N / NA /NC

*5.Were erodible soils disturbed during construction stabilized to prevent the potential to deliver to typed waters? Y / N / NA /NC

6. Are entry and exit points for each ford located as close to perpendicular to the stream as possible? (not running adjacent or parallel) Y / N / NA / NC

7. Are entry and exit points for each ford within 100 feet upstream or downstream of each other? Y / N / NA / NC

8. Is the ford location shown on the FPA? Y / N / NA / NC

9. Were Best Management Practices implemented for construction, maintenance, or use as required by conditions on the approved application? Y / N / NA / NC

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to leslie.lingley@wadnr.gov (jpgs are okay as long as FPA # and descriptions are attached.)

Comments:

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Signature_____**Date**_____

Eastside Form #14
Post Survey Evaluation

FPA #:	Date:	Time Spent:	Terrain: 0% - 30 / 31% - 50% / >51%	Vegetation: Open / Brushy / Very Brushy
DNR Survey Lead:	DOE Survey Rep:	WDFW Survey Rep:	Other Attendees: Representing:	Other Attendees: Representing:
Other Attendees: Representing	Other Attendees: Representing	Other Attendees: Representing		

Please fill out this section for each activity that was evaluated on the FPA.
Form Number corresponds to the Question numbers on this form

1. Pre-Survey Information (Form #1)
Did information on the FPA provide adequate means to evaluate the activities completed on the ground? Was all information included on FPARS or was additional documentation required? Were activities accurately described? Were all exchanges, management options and deviations outlined?

_____
_____
_____
_____
_____

2. Ponderosa Pine Habitat Type (Form #2)
Status of Compliance: Exceeds/ Compliant/ Minor Deviation/ Out of Compliance

Subjective Non-Compliance Level: Trivial/ Apparent/ Major/ No Consensus

_____
_____
_____
_____
_____

3. Mixed Conifer Habitat Type (Form #3)
Status of Compliance: Exceeds/ Compliant/ Minor Deviation/ Out of Compliance

Subjective Non-Compliance Level: Trivial/ Apparent/ Major/ No Consensus

_____
_____
_____
_____
_____

Eastside Form #14 (cont'd)

4. High Elevation RMZ (Form #4)

Status of Compliance: Exceeds/ Compliant/ Minor Deviation/ Out of Compliance

Subjective Non-Compliance Level: Trivial/ Apparent/ Major/ No Consensus

5. N RMZ (Form #5)

Status of Compliance: Exceeds/ Compliant/ Minor Deviation/ Out of Compliance

Subjective Non-Compliance Level: Trivial/ Apparent/ Major/ No Consensus

6. Wetlands (Form #6)

Status of Compliance: Exceeds/ Compliant/ Minor Deviation/ Out of Compliance

Subjective Non-Compliance Level: Trivial/ Apparent/ Major/ No Consensus

7. Road Construction (Form #7)

Status of Compliance: Exceeds/ Compliant/ Minor Deviation/ Out of Compliance

Subjective Non-Compliance Level: Trivial/ Apparent/ Major/ No Consensus

8. Road Maintenance (Form #8)

Status of Compliance: Exceeds/ Compliant/ Minor Deviation/ Out of Compliance

Subjective Non-Compliance Level: Trivial/ Apparent/ Major/ No Consensus

9. Road Abandonment (Form #9)

Status of Compliance: Exceeds/ Compliant/ Minor Deviation/ Out of Compliance

Subjective Non-Compliance Level: Trivial/ Apparent/ Major/ No Consensus

10. Landings (Form #10)

Status of Compliance: Exceeds/ Compliant/ Minor Deviation/ Out of Compliance

Subjective Non-Compliance Level: Trivial/ Apparent/ Major/ No Consensus

11. Permanent Crossings on Type N Waters (Form #11)

Status of Compliance: Exceeds/ Compliant/ Minor Deviation/ Out of Compliance

Subjective Non-Compliance Level: Trivial/ Apparent/ Major/ No Consensus

12. Temporary Crossings on Type N Waters (Form # 12)

Status of Compliance: Exceeds/ Compliant/ Minor Deviation/ Out of Compliance

Subjective Non-Compliance Level: Trivial/ Apparent/ Major/ No Consensus

13. Fords on Type N Waters (Form #13)

Status of Compliance: Exceeds/ Compliant/ Minor Deviation/ Out of Compliance

Subjective Non-Compliance Level: Trivial/ Apparent/ Major/ No Consensus

Signatures of representatives and date